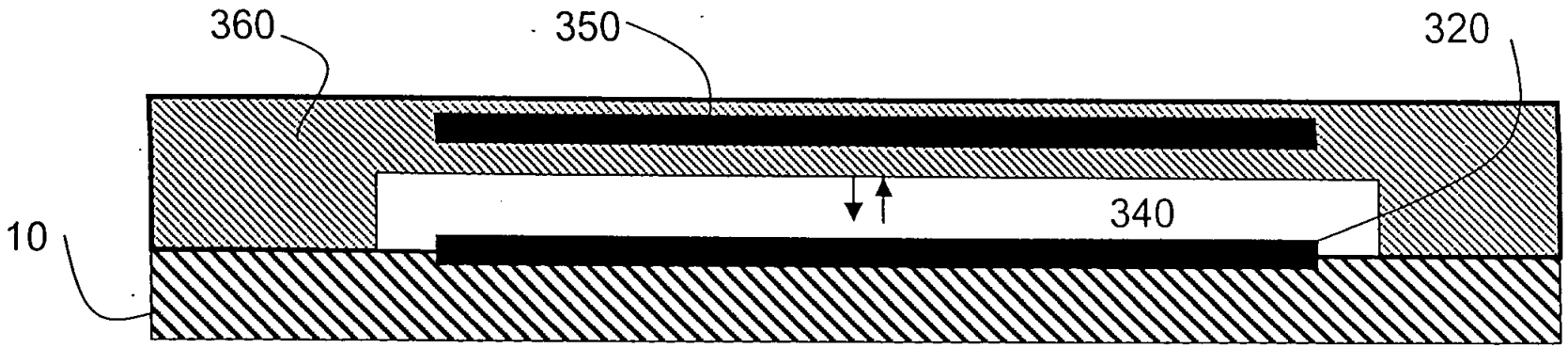


FIG. 1A

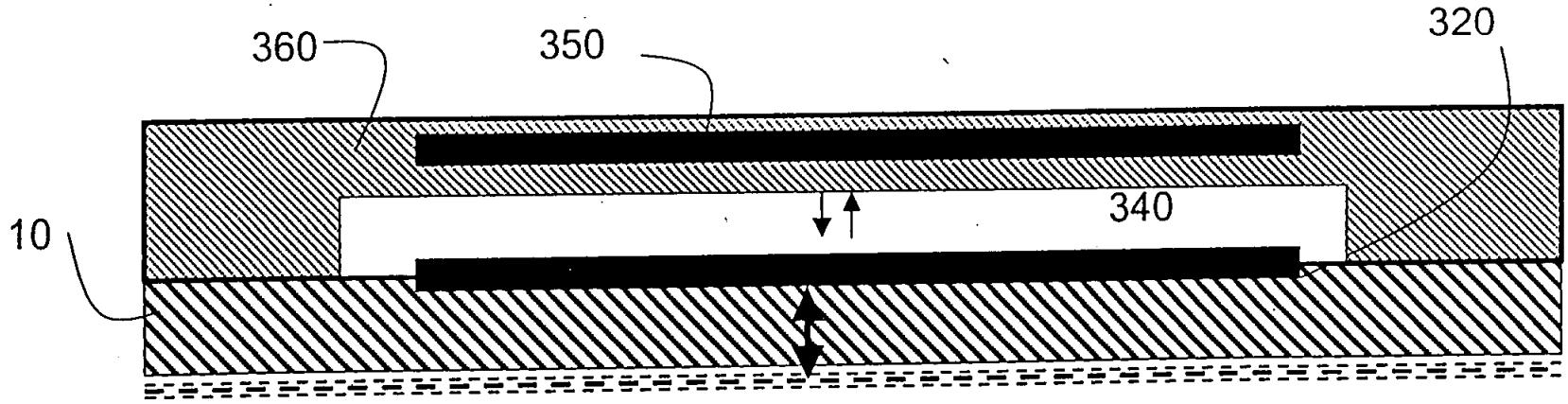


FIG. 1B

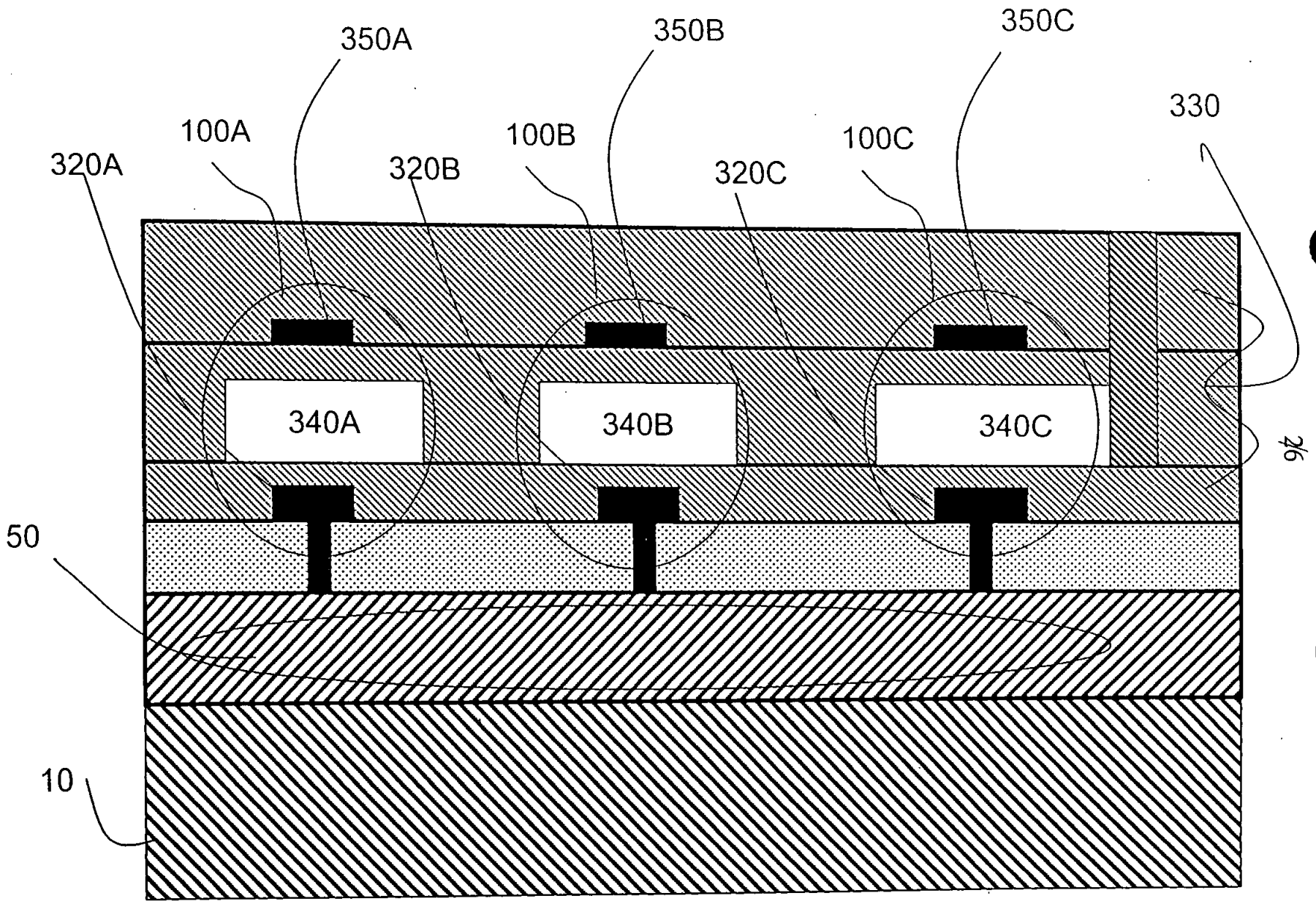


FIG. 2A

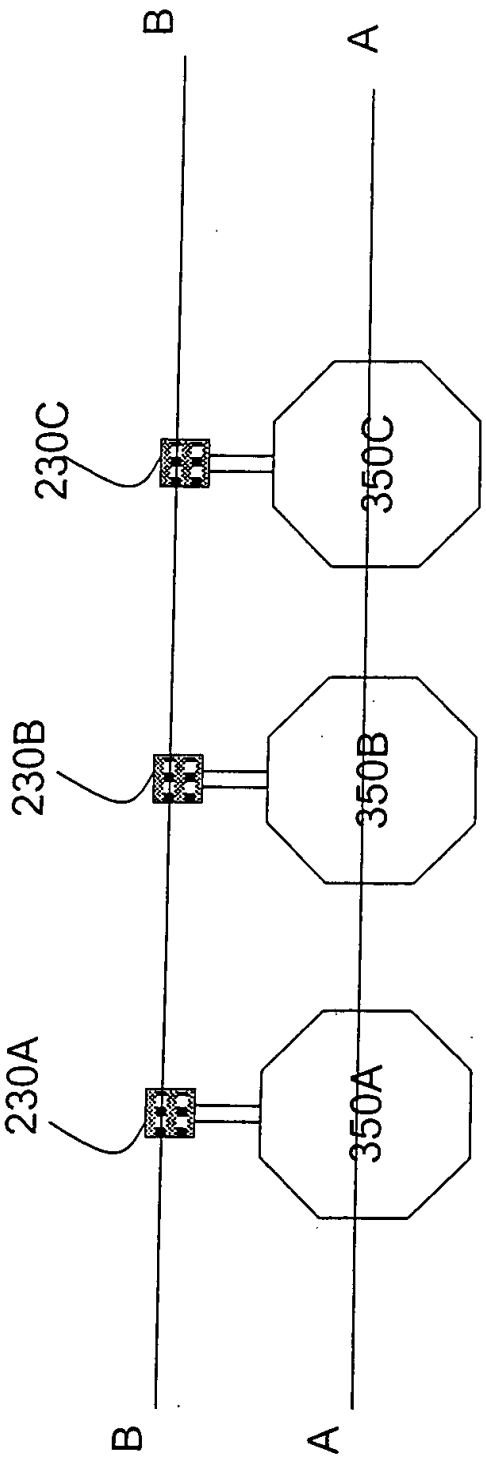


FIG. 2B

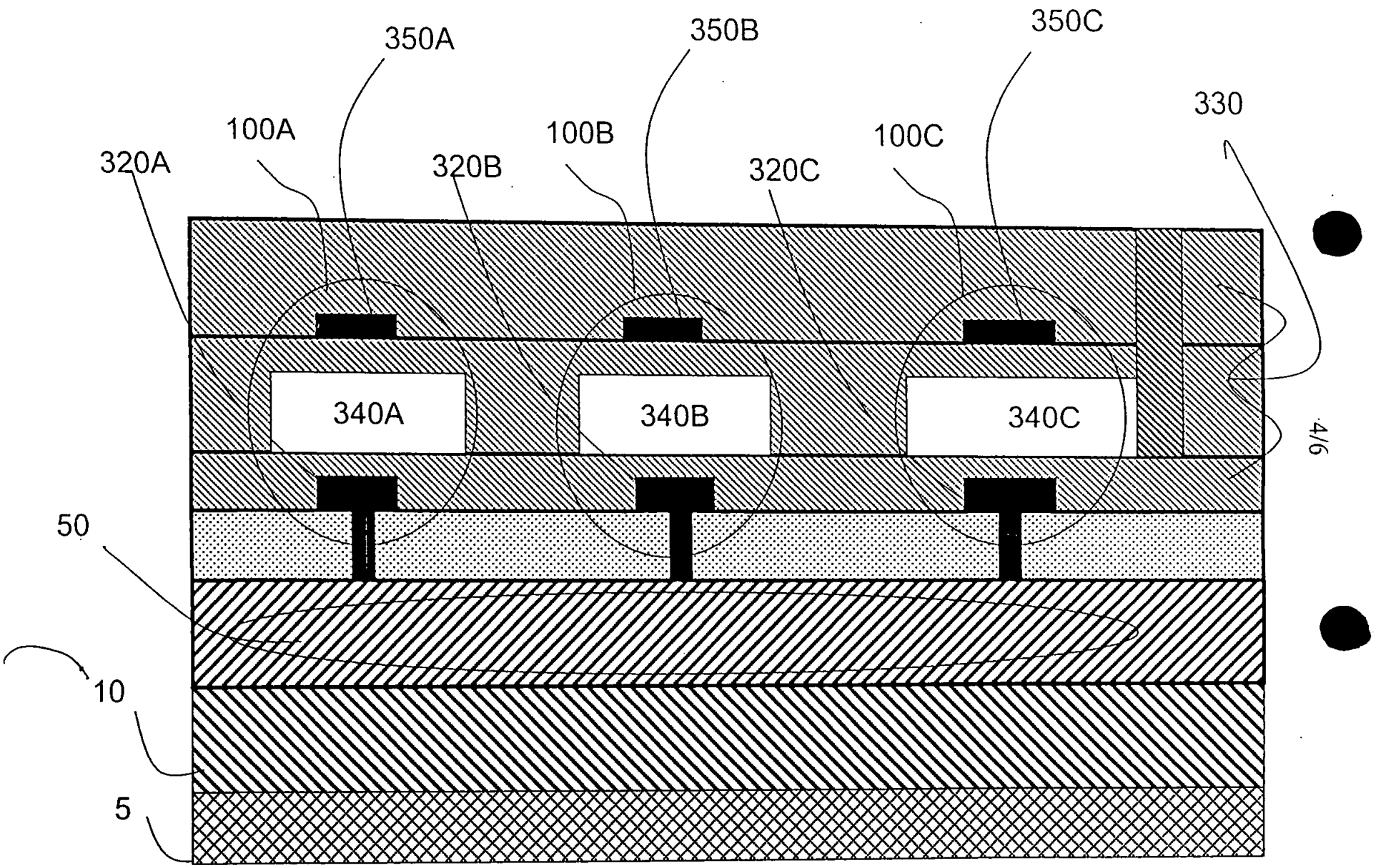

350A
350B
350C
330
100A
100B
100C
320A
320B
320C
340A
340B
340C
50
10
5

FIG. 3

Transmission Test
(pitch and catch)

Sample 9MHz Immersion Parts → Backing Material Effects

Time Response

Vbias = 90V

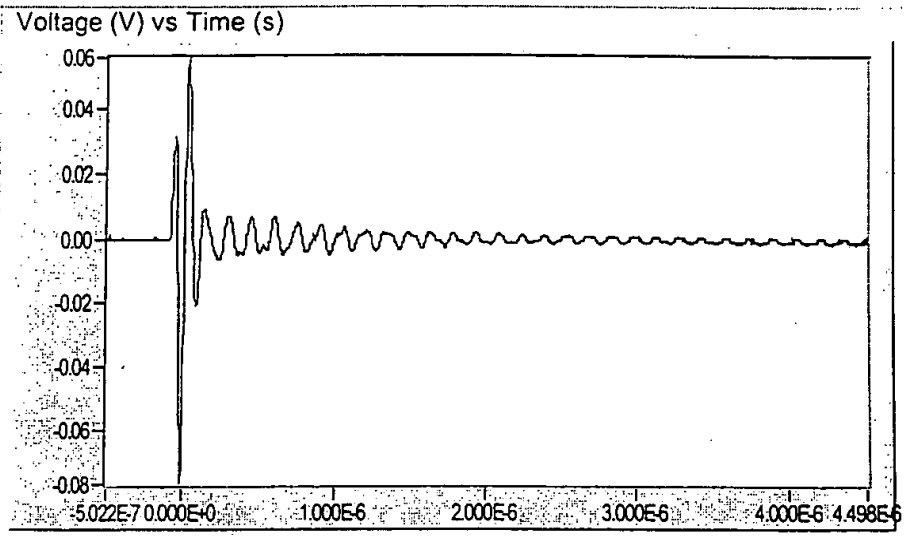
Vac = 10V 30ns pulse

2mm separation

No backing material

Medium = water

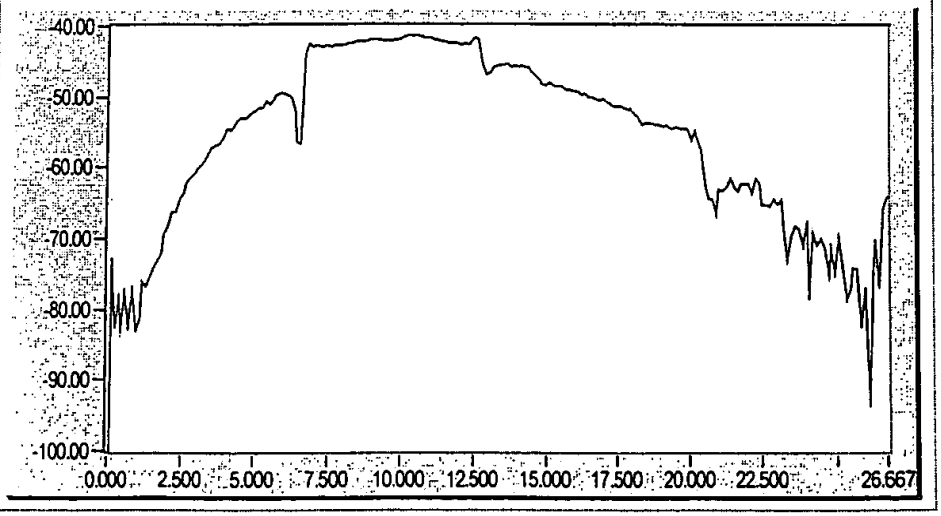
FIGURE 4A



2-way Insertion Loss

-6dB BW = 78.82%

FIGURE 4B



Time Response

Vbias = 90V

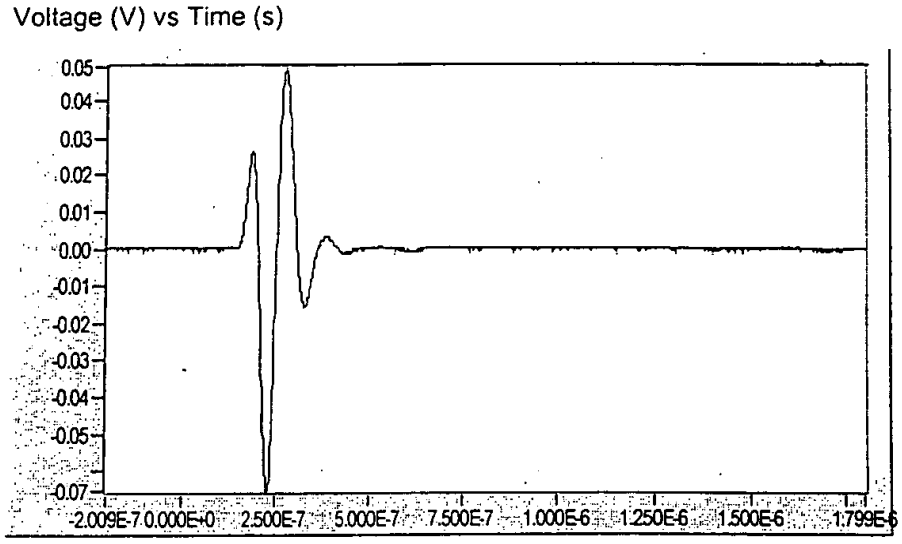
Vac = 10V 30ns pulse

2mm separation

With backing material

Medium = water

FIGURE 4C



2-way Insertion Loss

-6dB BW = 84.02%

FIGURE 4D